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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A-T	1A	4,550,084	10/29/1985	Nelson et al.	436	45	
	1B	4,641,528	02/10/1987	Clayland, Jr. et al.	73	597	
	1C	5,121,320	06/09/1992	Aoki et al.	364	413.01	
	1D	5,134,662	07/28/1992	Bacus et al.	382	6	
	1E	5,202,932	04/13/1993	Cambier et al.	382	8	
	1F	5,273,632	12/28/1993	Stockham et al.	204	180.1	
	1G	5,389,792	02/14/1995	DiMarzio et al.	250	370.06	
	1H	5,417,923	05/23/1995	Bojanic et al.	422	101	
	11	5,541,064	07/30/1996	Bacus et al.	435	6	
	1J	5,552,270	09/03/1996	Khrapko et al.	435	6	
	1K	5,560,811	10/01/1996	Briggs et al.	204	451	
	1L	5,580,728	12/03/1996	Perlin	435	6	
	1M	5,581,631	12/03/1996	Ortyn et al.	382	128	
	1N	5,583,973	12/10/1996	DeLisi et al.	395	120	
	10	5,680,514	10/21/1997	Shams	395	22	
	1P	5,695,937	12/09/1997	Kinzler et al.	435	6	
	1Q	5,732,277	03/24/1998	Kodosky et al.	395	800	
	1R	5,757,954	05/26/1998	Kuan et al.	382	133	
	18	5,773,218	06/30/1998	Gallatin et al.	435	6	
	1T	5,777,888	07/07/1998	Rine et al.	364	496	
	10	5,785,658	07/28/1998	Benaron et al.	600	473	
	1V	5,811,517	09/22/1998	Gallatin et al.	530	350	
$\overline{}$	1W	5,837,475	11/17/1998	Dorsel et al.	435	7.1	

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Transl YES	ntions NO
19-7	1X	WO 01/16860	03/08/2001	International				
	<u> </u>			<u> </u>				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A-T	1Y	BIO001 - M. BURL, "Recognition of Visual Object Classes", <u>Jet Propulsion Laboratory</u> , V-0105, March 30, 1996, 12 pages.
		BIO002 - M. TAINE and A. HERMENT, "Extraction of Heart and Vessel Walls on Ultrasound Images Using Snake-Splines", SPIE, Volume 2434, March 1995, pages 808-816.
	1AA	BIO003 - M. JOLLY, S. LAKSHMANAN and A. JAIN, "Vehicle Segmentation and Classification Using Deformable Templates", IEEE, Volume 18, No. 3, March 1996, pages 293-305.
V		BIO004 - Y. AMIT and A. KONG, "Graphical Templates for Model Registration", <u>IEEE</u> , Volume 18, No. 3, March 1996, pages 225-236.

EXAMINER	DATE CONSIDERED	
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	er or not citation is in conformance with MPEP Section 609; Draw line through d. Include copy of this form with next communication to Applicant	

				Docket Number	Application Number					
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			U.S. PA	ATENT	DOCUMENTS					
*EXAMINER INITIAL			NAME	CLASS	SUBCLASS	FILING II APPROF	7			
A-T	2A	5,851,769	12/22/1998	Gray et	al.	435	6			
	2B	5,853,979	12/29/1998	Green	et al.	435	5			
	2C	5,865,975	02/02/1999	Bishop		204	618			
	2D	5,869,262	02/09/1999	Gallatir	et al.	435	7.1		-	
	2E	5,876,933	03/02/1999	Perlin		435	6			
	2F	5,880,268	03/09/1999	Gallatir	et al.	530	387.3			
	2G	5,887,074	03/23/1999	Lai et a	l.	382	128			
	2H	5,916,747	06/29/1999	Gilchris	t et al.	435	6			
	21	5,945,284	08/31/1999	Livak et al.		435	6			
	2J	5,945,679	08/31/1999	Dorsel et al.		250	458.1			
	2K	5,970,164	10/19/1999	Bamberger et al.		382	128			
	2L	5,980,096	11/09/1999	Thalhammer-Reyero		364	578			
	2M	5,981,190	11/09/1999	Israel		435	6			
	2N	5,989,835	11/23/1999	Dunlay et al.		435	7.2			
	20	6,040,176	03/21/2000	Gallatin	et al.	435	326			
	2P	6,054,270	04/25/2000	Southe		435	6			
	2Q	6,100,383		Gallatir	ı et al.	530	387.3			
	2R	6,103,479	08/15/2000	Taylor		435	7.2			
	2\$	6,127,129	10/03/2000	Corn et	al.	435	6			
	2T	6,150,179	11/21/2000	Went		436	173			
	2U	6,185,561	02/06/2001	Balaba	n <i>et al.</i>	707	6			
	2V	6,207,958	03/27/2001	Giakos		250	385.1			
<u> </u>	2W	6,222,093	04/24/2001	Marton	et al.	800	3	<u> </u>		
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-	0	THER DOCUME	ENTS (Includ	ing Aut	hor, Title, Date,	Pertinent Pag	es, Etc.)		1	
A-T	İ.,	BIO005 - B. OLS IEEE, Volume 18	, No. 9, Septer	nber 199	96, pages 863-87	2.				
 	2Y	BIO006 - A. ABR Object Boundary	ANTES and J.	MARQL	JES, "A Class of	Constrained Clu	stering Algorit	hms fo	r	
	2Z	BIO007 - A. JAIN Templates", IEEE	i, Y. ZHONG ai	nd S. LA	KSHMANAN, "O	bject Matching L	Jsing Deforma	ble	-	
V	2AA	BIO008 - M. KAS International Jour	S, A. WITKIN	and D. T	ERZOPOULOS.	"Snakes: Active	Contour Mod	iels",		
	Ь	oauonai Juul	THAT OF COMPUL	UI VISIUI	i, 1990, pages 32	.1-331.				

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*EXAMINER INITIAL	MAL REF DOCUMENT NO. DATE		NAME.	CLASS	SUBCLASS	FILING IF APPROP	•			
A-1	3A	6,223,186	04/24/2001	Rigault	et al.	707	104			
	3B	6,226,542	05/01/2001	Reisfel	d	600	407			
	3C	6,245,517	06/12/2001	Chen e	t al.	435	6			
	3D	6,251,601	06/26/2001	Bao et	al.	435	6			
	3E	6,263,092	07/17/2001	Roehrig	et al.	382	128			
	3F	6,263,287	07/17/2001	Zheng	et al.	702	20			
	3G	6,301,378	10/09/2001		meijer <i>et al.</i>	382	132			
	3H	6,303,301	10/16/2001	Mack		435	6			
	31	6,308,170	10/23/2001	Balaba	n .	707	3			
	3J	6,341,256	01/22/2002	Deem e	et al.	702	19			
	3K	6,345,115	02/05/2002	Ramm	et al.	382	133			
	3L	6,349,144	02/19/2002		(020,155)	382	129			
	3M	6,362,004	03/26/2002	Noblett		436	43			
	3N	6,362,832	03/26/2002	Stepha		345	629			
	30	6,381,058	04/30/2002	Ramm		359	242			
	3P	2002/0052882	05/02/2002	Taylor		707	104.1			
	3Q	6,389,428		Rigault	et al	707	104.1			
	3R	6,441,973	08/27/2002	Ramm		359	778	<u> </u>	-	
	38	6,453,241	09/17/2002		t, Jr. et al.	702	19	\vdash	_	
	3T	6,462,187	10/08/2002	Bandar		536	23.2			
	30	6,470,277	10/22/2002	Chin et		702	19			
- 	3V	6,475,736	11/05/2002	Stantor		435	6	 		
—	3W	6,498,690	12/24/2002	Ramm		359	778	 		
		7,00,000			NT DOCUMEN					
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A-T	3X	BIO009 - S. SHA Volume 8, No. 9,				al Pattern Recogn	ition", <u>Neural</u>	Netwo	<u>rks</u> ,	
	3Y	BIO010 - D. SHU	, J. NASH, M.	ESHAG	HIAN and K. KII	M, "Straight-Line I 1990, pages 456-4		Gated	j -	
\/	3Z	BIO011 - S. SHA	MS, "Translation	on-, Rota	ation-, Scale-, a		riant Object R			
V		pages 173-179.	, , <u></u>			<u> 0 0 0 0 0 0 0 0 0 </u>		· \\	307,	

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A1-1	4A	6,498,863	12/24/2002	Gaidou	kevitch et al.	382	173			
i	4B	6,537,749	03/25/2003	Kuimeli	s et al.	435	6			
	4C	6,544,790	04/08/2003	Sabatir	ii	435	455			
	4D	6,553,317	04/22/2003	Lincoln	et al.	702	20			
1	4E	2003/0100995	05/29/2003	Loraine		702	19			
	4F	6,577,956	06/10/2003	Shams		702	19			
	4G	6,591,196	07/08/2003	Yakhini	et al	702	28			
	4H	2003/0148295	08/07/2003	Wan et		435	6			
	41	6,632,600	10/14/2003	Short	<u></u>	435	4			
	4J	6,633,659	10/14/2003	Zhou		382	129			
 	4K	6,673,549	01/06/2004	Furnes	s at al	435	6			
	4L	6,674,882	01/06/2004	Shams		382	129			
	4M	6,683,455		Ebbels						
	-		01/27/2004			324	309	ļ		
	4N	6,690,399	02/10/2004	Carlson		345	771			
··	40	6,714,925	03/30/2004	Barnhil		706	48			
	4P	6,731,781	05/04/2004	Shams		382	129			
	4Q	6,760,715	07/06/2004	Barnhil		706	16			
$-$ \ $-$ \ $-$	4R	6,789,069		Barnhil	l et al.	706	12			
	4\$	6,839,454	01/04/2005	Park		382	128	<u> </u>		
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		THER DOCUME		_						
A-T	4T	BIO012 - Yidong Microarray Image 374.	CHEN et al., "les", <u>Journal of</u>	Ratio-Ba Biomedi	ised Decisions ar <u>cal Optics</u> , Volum	nd the Quantitati ne 2, No. 4, Octo	ve Analysis of ber 1997, pag	cDNA jes 364	ļ-	
	4U	BIO013 - M. S. B Genetics, Volume	OGUSKI and (e 10, No. 4, 19	3. D. SC 95, page	HULER, "Establis es 369-371.	shing a Human	Transcript Ma	p", <u>Nat</u>	ure	
	4∨	BIO014 - G. D. S Science, Volume	CHULER, M. S	S. BOGL	ISKI, et al., "A Ge	ene Map of the F	luman Genom	ne",		
	4W	BIO015 - M. SCH Gene Expression	ENA, D. SHAL Patterns with	ON, R. a Comp	W. DAVIS, and P lementary DNA M	O. BROWN, "	Quantitative M nce, Volume 2	onitorii 270, No	ng of	
	ــــــــــــــــــــــــــــــــــــــ	5235, October 20	i, 1995, pages	467-470).					

EXAMINER	DATE CONSIDERED
A- Taliatalia	3130/06
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n T	5A	BIO016 - J. DeRI	SI, L. PENLAN	D, P.	O. BROWN, M. L. E Jse of a cDNA Micro	ITTNER, P. S.	MELTZER, M	I. RAY,	, Y .			
71-1		Patterns in Huma	anu J. W. TRE In Cancer". Nat	ture G	enetics, Volume 14,	No. 4. Decemb	e Gene Expr er 1996, pag	ession es 457	-46 0			
1	5B	BI0017 - M. SCH	IENA, D. SHAL	ON, F	R. HELLER, A. CHA	I, P. O. BROWN	I, and R. W.	DAVIS.				
					licroarray-based Ex			Genes'	' ,			
	5C				93, No. 20, October s with Gene Expres			Value				
	30	18, No. 5, Januar				Sion Microanay	s , <u>bioessays</u>	, volur	ne			
	5D	BIO019 - LEMIEL	JX, AHARONI,	and S	CHENA, "Overview	of DNA Chip T	echnology", M	Aolecul	ar			
		Breeding, 1998,										
	5E	BIO020 - SCHEN	IA, HELLER, TI	HERI/	AULT, KONRAD, LA r Functional Genom	CHENMEIER,	and DAVIS, "	Microa	rrays:			
	ļ	pages 301-306.	Discovery Flatic	טו ווווּנכ	r Functional Genom	iics , <u>Hotecn,</u> v	olume 16, Jul	y 1998	•			
	5F	BIO021 - HELLE	R, SCHENA, C	HAI, S	HALON, BEDILION	I, GILMORE, W	OOLLEY, an	d DAV	IS.			
		"Discovery and A	nalysis of Inflar	nmato	ory Disease-Related	genes using cl	ONA Microarr	ays", <u>P</u>	roc.			
	5G	Nati. Acad. Sci. L	JSA, Volume 94	Mar Date	ch 1997, pages 215 llel Analysis with Bio	0-2155.	00D M-4					
	اعق	pages 445-455.	IA aliu DAVIS,	Para	ilei Analysis with Bit	liogical Unips ,	PCR Method	s manu	<u>iai,</u>			
	5H		A and DAVIS,	DNA	Microarray Protocol	s, 19 pages.						
	51	BIO024 - Arraylt,	"Micro-Spotting	g Devi	ce for a Broad Rang	ge of Microarray	Manufacturi	ng				
	L .				<u>c, June 1, 1998, 8 p</u>							
	5J	BIO025 - Arraylt, Applications" Ch	"Micro-Spotting in Maker 3 Han	g Devi	ce for a Broad Rang c, December 8, 199	ge of Microarray	Manufacturi	ng				
	5K	BIO026 - Arravit.	"High-Through	put Pi	urification of PCR Pr	oducts for DNA	Microarrays					
		Sequencing and	Other Application	ons in	Genomics", 96 & 38	34 Well PCR Pu	rification Kits	, 4 pag	jes.			
V	5L	BIO027 - Arraylt,	"Designed for I	Hybrid	lization Reactions Ir	volving Nucleic	Acid Microar	ray				
•	Biochips", Hybridization Cassette Handbook, 1998, 10 pages,											

EXAMINER	DATE CONSIDERED
A-Talatalau.	3/30/06
EXAMINER: Initial if citation considered, whether or not citation is citation if not in conformance and not considered. Include copy of	s in conformance with MPEP Section 609; Draw line through fithis form with next communication to Applicant.

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6B BIO029 - Arraylt, "An Advanced Mixture of Salts, Detergents and Buffering Components", UniHyb Hybridization Solution Handbook, 1998, 8 pages.	A-	T	07 (Biochip Fabrication	on by Improving	the Su	rface Properties of					
6C BIO030 - Arravit. Dve Terminator Clean-Up Kits Handbook 1998 13 pages			6B	BIO029 - Arraylt,	"An Advanced	Mixture	of Salts, Detergen	ts and Buffering	Componen	ts",		
			6C	BIO030 - Arravit.	Dve Terminato	r Clean	-Up Kits Handbook	. 1998. 13 page	es.			
6D BIO031 - M-L. T. LEE, F. C. KUO, G. A. WHITMORE, J. SKLAR, "Importance of Replication in			6D	BIO031 - M-L. T.	LEE, F. C. KU	O, G. A	. WHITMORE, J. S	KLAR, "Importa	nce of Repli	cation i	n	
Microarray Gene Expression Studies: Statistical Methods and Evidence from Repetitive cDNA				Microarray Gene	Expression Stu	ıdies: S	tatistical Methods	and Evidence fr	rom Repetitiv	e cDN/	۱ ۴	
Hybridizations", <u>Proceedings of the National Academy of Science</u> , Volume 97, No. 18, August 29,	}					the Nati	onal Academy of S	<u>cience,</u> Volume	97, No. 18,	August	29,	
2000, pages 9834-9839. 6E BIO032 - Yee Hwa YANG, M. J. BUCKLEY, Sandrine DUDOIT, T. P. SPEED, "Comparison of	-	-	6E			BUCKI	EV Conding DUE	OIT T D CDC	ED "C	-i		
Methods for Image Analysis on cDNA Microarray Data", Technical Report #584, Department of		ì	UL	Methods for Imag	ie Analysis on d	DNA M	icroarray Data" Te	chnical Renort	#584 Denar	rison o tment c	of	
Statistics, University of California, Berkeley, 2000, 40 pages.				Statistics, Univer	sity of California	a, Berke	ley, 2000, 40 page	S.	, ocpai	anoni ("	
6F BIO033 - R. ADAMS and L. BISCHOF, "Seeded Region Growing", IEEE Transactions on Pattern			6F	BIO033 - R. ADA	MS and L. BIS	CHOF, '	Seeded Region G	owing", <u>IEEE</u> T		on Patt	<u>ern</u>	
Analysis and Machine Intelligence, Vol. 16, No. 6, June 1994, pages 641-647.												
	l l		6G				BIO034 - I. H. WITTEN and E. FRANK, "Data Mining, Practical Machine Learning Tools and					
				rrecondues with a	es with Java Implementations", Morgan Kaufmann Publishers, 2000.					, -		
Genomic Scale", Science, Volume 278, October 24, 1997, pages 680-686.		-	6H							ion on		
61 BIO036 - FUREY et al., "Support Vector Machine Classification and Validation of Cancer Tissue			6H	BIO035 - DeRISI	et al., "Explorin	g the M	etabolic and Gene	tic Control of G	ene Express	ion on a	*	
Samples Using Microarray Expression Data", Bioinformatics, Volume 16, No. 10, 2000, pages				BIO035 - DeRISI Genomic Scale",	<i>et al.</i> , "Explorin <u>Science,</u> Volun	ng the M ne 278,	etabolic and Gene October 24, 1997,	tic Control of G pages 680-686	ene Express			
6J BIO039 - SCHUTZ et al., "Spreadsheet Software for Thermodynamic Melting Point Prediction of				BIO035 - DeRISI Genomic Scale", BIO036 - FUREY Samples Using M	et al., "Explorin <u>Science, Volun</u> et al., "Suppor	ng the M ne 278, t Vector	etabolic and Gene October 24, 1997, Machine Classifica	tic Control of G pages 680-686 ation and Valida	ene Express ation of Cano	er Tiss	ue	
Oligonucleotide Hybridization With or Without Mismatches", BioTechniques, Volume 27, No. 6, 1999, pages 1218-1222.			61	BIO035 - DERISI Genomic Scale", BIO036 - FUREY Samples Using N 906-914.	et al., "Explorin Science, Volun et al., "Suppor licroarray Expre	ng the M ne 278, t Vector ession E	etabolic and Gene October 24, 1997, Machine Classifica Data", <u>Bioinformatic</u>	tic Control of G pages 680-686 ation and Valida s, Volume 16, I	ene Express ation of Cano No. 10, 2000	er Tiss , pages	ue	
/ 6K BIO040 - 60/306,033, 2 pages.			61	BIO035 - DERISI Genomic Scale", BIO036 - FUREY Samples Using N 906-914. BIO039 - SCHUT Oligonucleotide H	et al., "Explorin Science, Volun et al., "Suppor licroarray Expre Z et al., "Sprea lybridization Wi	ng the M ne 278, t Vector ession E	etabolic and Gene October 24, 1997, Machine Classifica Data", <u>Bioinformatic</u> Software for Therm	tic Control of G pages 680-686 ation and Valida s, Volume 16, I	ene Express ation of Cano No. 10, 2000 ing Point Pre	er Tiss , pages	ue of	
6L BIO041 - 60/276,947, 1 page.		/	6J	BIO035 - DERISI Genomic Scale", BIO036 - FUREY Samples Using N 906-914. BIO039 - SCHUT Oligonucleotide H 1999, pages 1216	et al., "Explorin Science, Volun et al., "Suppor licroarray Expre Z et al., "Sprea lybridization Wi 3-1222.	ng the M ne 278, t Vector ession E	etabolic and Gene October 24, 1997, Machine Classifica Data", <u>Bioinformatic</u> Software for Therm	tic Control of G pages 680-686 ation and Valida s, Volume 16, I	ene Express ation of Cano No. 10, 2000 ing Point Pre	er Tiss , pages	ue of	

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A-T	7A	BIO042 - KALOC Volume 4, No. 5,	SAI, P., et al., 'November 199	'Visualiz 9. page	ration and Analysis s 58-61.	of Gene Expre	ession Data",	JALA,			
	7B	BIO043 - "G2 Rea			, GDA and Neur-or	-line", Gensyn	Corporation	, 1995,	5		
	7C	pages. BIO044 - "Gensyi	m Corporation	Announ	ces G2 Classic 5.2	". Gensym Cor	poration. Arti	cle 420	2.		
		Volume 41, Issue	1, July 3, 2001	I, 4 pag	es.	-	•				
	7D	BIO045 - The Ar	rayExpress Dat	labase"	, European Bioinfoi erimental Design, A	matics Institute	e, August 200	10, 2 pa	iges.		
	/ 6	Assessment in G	ene Expression	n., expe Arrays	rimental Design, A ", BioDiscovery Inc	nalysis of vari	ance and Silo ion in Drug D	ie Qua Discove	iity rv &		
		Development, Vo	lume 4, No. 3, I	May 200	01, pages 332-337.						
	7F	BIO047 - COMAN	IDER, Jason, e	et al., "A	rgus—A New Data	base System f	or Web-Base	d Analy	/sis		
		Laboratory Press	September 20	, <u>Geno</u> 101 nac	me Research, Volu	me 11, No. 9,	Cola Spring H	Harbor			
	7G	BIO048 - LIAO, B	irong, et al., "M	IAD: A	Suite of Tools for M	ficroarray Data	Managemer	nt and			
		Processing*, Biole	nformatics App	lications	Note, Volume 16,	No. 10, Oxford	University P	ress,			
	~	October 2000, pa									
ļ	7H	Ganama Saguan	i, Lynn, <i>et al.</i> , " sing and Anche	Microar	ray Analysis Using	P-SCAN and P	-SCAN", Inte	rnation	<u>ıal</u>		
 -	71	BIO050 - SAFED	Alexander et	al "Da	lerence, No. 12, Se ta Visualization and	Analysis Too	, page 105.	neitr			
	''	Microarrays", Inte	rnational Geno	me Sea	uencing and Analy	sis Conference	e. No. 12. Se	nisity otembi	er		
		2000, page 105.						-			
	7J	BIO051 - SAMAR	TZIDOU, Hriss	si, <i>et al</i> .,	"MicroArray Score	Card: An Integ	rated Analys	is Tool	for		
		Evaluating Data (Quality in Micro	array Ex	periments", Interna	ational Genome	e Sequencino	and			
	7K	BIO052 - KUKLIN	<u>105, NO. 12, St</u> I. A., et al., "Hic	h Throu	er 2000, pages 107	-105. f Gene Expres	sion Signatur	es"			
		Genetica, Volume	108, 2000, Bid	oDiscov	ery Inc., pages 41-	46.	_				
	7L	BIO053 - Pankaj I	PRAKASH, Ph.	D., and	Bruce HOFF, Ph.D	., "Application	Note GS10:	Microa	rray		
\mathbf{V}		Gene Expression Data Mining with Cluster Analysis using GeneSight," BioDiscovery, Inc., 2002, 6									

EXAMINER	DATE CONSIDERED
A-Talestolar	3130/06
EXAMINER: Initial if citation considered, whether or not citation is	s in conformance with MPEP Section 609; Draw line through
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		8B	Unsupervised Grevol. 17, no. 2, pp. http://bioinformati	owing Neural N 126-136, Oxfo ics.oupjournals	letwork ord Univ .org/cgi		e Expression P available at	atterns," <u>Bioi</u>	nforma			
		8C		and Display of er 1998, pp. 14	Genom 863-14							
		8D	BIO057 - "GeneS	ight Users Ma	nual," V	ersion 1.3b, BioDis	covery, Inc., 19	99, 46 pages).			
		8E	BIO058 - "GeneS	ight Users Ma	nual," V	ersion 2.1, BioDisc	covery, Inc., 20	01				
		8F 8G	BIO059 - "GeneS BIO060 - "GeneS 2002	ight Users Ma ight Users Ma	nual," D nual," D	raft #1 for Version raft #1 for Version	3.0, BioDiscove 3.1.3, BioDisco	ery, Inc., Aug very, Inc., Ma	ust 31, arch 28	2001 '		
		8H		ight Users Ma	nual." V	ersion 3.5. BioDisc	overv. Inc., Ser	tember 3, 20	002			
					ght Users Manual," Version 3.5, BioDiscovery, Inc., September 3, 2002 ght Users Manual," Version 4.0, BioDiscovery, Inc., October 2003							
				sight Users Manual," Version 4.1, BioDiscovery, Inc., 2003								
		8K	BIO064 - Rand R 321-324.	. WILCOX, "St	atistics	for the Social Scier	nces", Academi	c Press, 1996	6, page	S		
		8L		overy ImaGen	e Pamp	hlets, date unclear	(possibly 1997), distribution	unclea	ır, 8		
<u> </u>		8M		ww.nhgri.nih.a	ov/DIR/I	LCG/15K/HTML/ab	outmicro.html.	printed 7/8/19	999, 1 r	oage.		
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A-T	9B	BIO070 - Michae printed from http:	l EISEN, ScanA //rana.lbl.gov/m	iyze Us anuals/	er Manual, copy ScanAlvzeDoc p	right 1998-9 by S df 27 pages	Stanford Unive	ersity,				
1	9C	BIO071 - T. M. H					r Microarray	Analyz	es			
		Employing Cyani	ne Dyes", In S.	Lin, edi	tor, Proceedings	of CAMDA 2000	, "Critical Ass	essme	nt of			
		Techniques for M	licroarray Data i	Mining"	, December 18-1	9, Durham, NC,	2000, Duke L	Iniversi	ity			
	L	Medical Center,		55								
	9D	BIO072 - J. SCH										
į	}	and H. HERZEL, 28, No. 10, 2000			ies for CDNA IVIIC	roarrays , ivucie	C ACIOS ROSE	arçn, v	/OI.			
	9E	BIO073 - KERR			ance for Gene F	xpression Microa	rray Data" Jo	urnal d	of			
	L	Computational B										
	9F	BIO074 - XIANG	et al., "cDNA M	licroam	ay Technology a							
	9G	Advances, Volum Non-Final Office				Application No. 1	0/256 101 11	02222				
		Final Office Actio	n mailed May 10	9 2005	in U.S. Annlicati	on No. 10/256 1/	01200,101, 11	pages	· - ·			
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